

URBANSKI, T.; MIKULSKI, J.; ECKSTEIN, Z.

Some problems of obtaining weed killers. XIII. Preparation of 5-nitro-5-hydroxymethyl-3-phenoxyethyltetrahydro-1, 3-oxazine. p. 519

ROCZNIKI CHEMII. (Polska Akademia Nauk) Warszawa, Poland, Vol. 33, no. 2, 1959

Monthly List of East European Accessions (FEAI) LC, Vol. 6, No. 9, September 1959.
Uncl.

Distr: 4E3d

Improved ~~trotyl~~ preparation. ~~Tadeusz Urbasinski, Juliusz Hackel, Stanislaw Mortka, Kazimiera Szye-Lewanska, Tadeusz Siebodziński, and Wieslaw Witek (Katedra Technol. Organicznej II Politech., Warsaw). Przemysl Chem. 38, 551-4(1959).~~ Nitration of 1 mole toluene with a mixt. of 1.3 moles HNO_3 (d. 1.52) and 1.75 moles Ac_2O (10°, 2 hrs.) gave the mononitration product (I), not (or only slightly) contaminated with the meta isomer. I was further nitrated to di- and trinitrotoluene by usual methods. The purity of the raw trinitrotoluene so obtained was claimed to be sufficiently high to be used as an explosive without addnl. purification. ~~Marla Michalska~~

8
J.B.W.(BW/JW)
/ JAS(NB)
/

URBANSKI, Tadeusz: GLUZINSKI, Przemyslaw

Exchange of halogen for halogen in some α - chloroacetic acids. Roczniki chemii 33 no.4/5:1031-1037 '59. (ZEAI 9:9)

1. Katedra Technologii Organicznej II Politechniki, Warszawa.
(Chloroacetic acid) (Halogens)

URBANSKI, Tadeusz; CHIMIAK, Andrzej; ECKSTEIN, Zygmunt

The products of the reaction of methyl 2-hydroxy-3-naphthoate with formaldehyde and cyclohexylamine or benzylamine. Roczniki chemii 33 (REAI 9:9) no.4/5:1201-1206 '59.

1. Katedra Technologii Organicznej II Politechniki, Warszawa.
(Hydroxymethylnaphthoate)
(Formaldehyde) (Cyclohexylamine)
(Benzylamine)

URBANSKI, Tadeusz; SKOWRONSKA-SERAFINOWA, Barbara; CHADZYNSKI, Grzegorz

Reactions of aromatic amines with cyanoguanidine. VIII. Reactions of
arylamidine ureas with amines. Roczniki chemii 33 no.6:1332-1341 '59.
(EEAI 9:9)

1. Katedra Technologii Organicznej II Politechniki, Warszawa i
Zaklad Syntezy Lekow Instytutu Gruzlicy, Warszawa.
(Amines) (Cyanoguanidine) (Aryl groups)
(Aromatic compounds) (Amidinurea)

URBANSKI, Tadeusz; SKOWRONSKA-SERAFINOWA, Barbara; ZYLOWSKI, Jerzy

Reactions of aromatic amines with syanoguanidine. IX. Naphthalamidine-
urea and its reactions with amines. Roczniki chemii 33 no.6:1377-1382 '59.
(EEAI 9:9)

1. Katedra Technologii Organicznej II Politechniki, Warszawa i
Zaklad Syntezy Lekow Instytutu Gruzlicy, Warszawa.
(Cyanoguanidine) (Amines)
(Naphthylamidinourea) (Aromatic compounds)

URBANSKI, Tadeusz; SKOWRONSKA-SERAFINOWA, Barbara; MATUSIAK, Arkadiusz;
TYCZYNSKI, Adam; ZARUKIEWICZ, Maciej

Reactions of aromatic amines with cyanoguanidine. X. Alkyl and
arylalkyl derivatives of amidinourea and their reactions with
amines. Rocz chemii 33 no.6:1383-1388 '59. (EEAI 9:9)

1. Katedra Technologii Organicznej II Politechniki, Warszawa i Zaklad
Syntezy Lekow Instytutu Gruzlicy, Warszawa.

(Amines) (Cyanoguanidine) (Alkyl Groups)
(Aryl groups) (Amidinourea) (Aromatic compounds)

HACKEL, Juliusz; URBANSKI, Tadeusz; KUTKIEWICZ, Wieslaw; STERNINSKI, Andrzej

Viscosity of mixtures $\text{HNO}_3\text{-H}_2\text{SO}_4\text{-H}_2\text{O}$. Chemia stosow 4 no.3/4:441-451
'60. (KRAI 10:9)

1. Katedra Technologii Chemicznej II Politechniki Warszawskiej.

(Viscosity)	(Mixtures)	(Nitric acid)
(Sulfuric acid)	(Water)	

URBANSKI, Tadeusz

Separation of β - and γ -radioactive iramoi, decay products from
uranyl nitrate by solvent extraction. Chem anal 5 no.2:283-288 '60.
(EEAI 10:3)

1. Zaklad Technologii Chemicznej Instytutu Badan Jadrowych PAN,
Warszawa.

(Uranium)	(Radio isotopes)	(Uranyl nitrate)
(Solvents)	(Beta rays)	(Gamma rays)

URBANSKI, Tadeusz S.

Potentiometric titration of small amounts of uranium with vanadate.
Chem anal 5 no.4:687-689 '60. (EEAI 10:9)

1. Zaklad Technologii Chemicznej Instytutu Badan Jadrowych PAN,
Warszawa.

(Potentiometer) (Uranium) (Vanadates)

URBANSKI, Tadeusz S.

Recovery of uranium from leaching liquors by the dodecyl
phosphoric acid extraction method. Nukleonika 5 no.12:831-843
'60.

1. Instytut Badan Jadrowych, Warszawa, Zaklad Technologii
Chemicznej

URBANSKI, T.

Diatry 483d

✓ Nitration of toluene in the presence of chromic acid. T. Urbanski, A. Semeńczuk, S. Głozak, and T. Szwierkot (Wojakowa Akad. Techn., Warsaw). *Bull. acad. polon. sci.,*

Skr. sci., Chim., geol. et geograph. 8, 13-14 (1960) (in English).

—Toluene (I) treated with $\text{HNO}_3 + \text{H}_2\text{SO}_4 + \text{Cr}_2\text{O}_3$ yielded 2,4-dinitrobenzaldehyde (II) and (or) *p*-nitrobenzoic acid (III) or 2,4-dinitrobenzoic acid (IV). I (10 g.) was added dropwise at 25° with vigorous stirring to 21.7 g. Cr_2O_3 in 1.50 g. H_2SO_4 (d. 1.84) and 25 g. HNO_3 (d. 1.51), the green mixt. left 1.5 hrs., poured into 1 l. cold water, the cryst. ppt. filtered off, washed with cold water, dissolved in 200 ml. Et_2O , shaken with 200 ml. 10% aq. Na_2CO_3 , and crystd. from alc. after evapn. of ether to give 6.5 g. II. To 10 g. I was added dropwise at const. temp. 25° a mixt. of 30 g. HNO_3 (d. 1.40), 90 g. H_2SO_4 (d. 1.84), and 8 g. H_2O simultaneously with 43.2 g. Cr_2O_3 in small portions, the red and finally green mixt. stirred 2 hrs. at 25°, poured into 1 l. cold water, the ppt. treated as before, and 3.99 g. III pptd. by acidifying the aq. layer with dil. H_2SO_4 . To 30 g. HNO_3 (d. 1.50), 90 g. H_2SO_4 (d. 1.84), and 8 g. water was added 14.9 g. *p*-nitrotoluene and 43.2 g. Cr_2O_3 at const. temp. 50°, the brown and finally green mixt. stirred at 50° 2 hrs., and treated as before to yield 14.0 g. IV from the aq. layer.

J. Stecki

1/1
14 g

5
10 g (NB)

Diagr: 4E3d1

Nitration of toluene in the presence of manganese dioxide.
T. Urbanski, A. Semieczuk, and H. Kawka (Wojak, Akad.
Tech., Warsaw, Poland). *Bull. acad. polon. sci., Ser. sci.
Chim., geol. et geograph.* 8, 15-16(1960)(in English); cf.
preceding abstr.—2,4-Dinitrobenzaldehyde (I) was the
main product of the reaction studied. To 10 g. toluene was
slowly added with vigorous stirring a mixt. of 21 g. HNO₃
(d. 1.41) and 160 g. anhyd. H₂SO₄ simultaneously with 18.8
g. fresh MnO₂, at 30-40°, the light yellow mixt. stirred 30
min., poured into cold water, and 6.4 g. crude I extd. with
Et₂O. It contained traces of mononitrotoluenes. Simi-
larly, 9.1 g. I was obtained at 70° from 5 g. p-nitrotoluene,
45 g. H₂SO₄ (d. 1.84), 39 g. HNO₃ (d. 1.51), and 9.4 g.
MnO₂; at 30-40° this reaction gave 21% I and 7% p-nitro-
benzoic acid with oxalic acid and CO₂ by-products. The
reaction with KMnO₄, replacing MnO₂, was extremely violent.

J-Stocki

5
1-9-7(WB)

11
4/8

Distr: 4E38
 Nitration of toluene in the presence of vanadium pent-
 oxide. T. Urbanaki, A. Semedczuk, and H. Kawka
 (Wojakowa Akad. Tech., Warsaw). *Bull. acad. polon. sci.*
Ser. sci., Chim., geol. et geograph. 8, 17(1960)(in English);
 cf. preceding abstr.—A procedure similar to that described
 in the preceding abstr. gave at 30–40° 30% 2,4-dinitrobenzal-
 dehyde with 7% *p*-nitrobenzoic acid with 6 g. V_2O_5 , 14 g.
 HNO_3 (d. 1.41), and 90 g. H_2SO_4 (d. 1.84). At 60–70° the
 yield of aldehyde was lower; at 70–80° tarry products were
 obtained.

5
 1-02C(He)

URBANSKI, T.; KUCZYNSKI, W.; ANDRZEJAK, A.; HOFMAN, W.; WITANOWSKI, M.

Some notes on methods of investigation of coal in infra-red spectra.
Bul chim PAN 8 no.1:19-22 '60. (KEAI 10:9/10)

1. Department of Chemical Technology A. Mickiewicz University, Poznan.
Department of Organic Synthesis Polish Academy of Sciences. Presented
by T. Urbanski.

(Coal) (Spectrum, Infra-red)

CHIN, Y.Ch.; WU, Y.Y.; SKOWRONSKA-SERAFIN, B.; URBANSKI, T.; VENULET, J.;
JAKIMOWSKA, K.

Antimalarial properties of some derivatives of phenylamidinoarea. Bul
chim PAN 8 no.3:109-112 '60. (KEAI 10:9/10)

1. Institute of Materia Medica, Academy of Medical Sciences, Peking,
Dept. of Organic Technology, Warsaw, Technical University and Drug
Research Institute, Warsaw. Presented by T. Urbanski.

(Antimalarials) (Phenylamidinoarea)

URBANSKI, T.; SEMENCZUK, A.; GORSKI, W.

Thermal analysis of the system: 1-chloro-2,4-dinitrobenzene-picryl chloride. Bul chim PAN 8 no.9:487-488 '60.

1. Technical Military College, Warsaw. Presented by T. Urbanski.

(Thermochemistry) (Chlorodinitrobenzene)
(Acid chlorides)

URBANJSKI, Tadeusz, prof.dr.

Application of some physico-chemical methods for studies on the structure of organic compounds. Wiad chem 14 no.3:137-155 Mr '60.

1. Kierownik Katedry Technologii Chemicznej Organicznej II, Politechnika, Wrocław, 1 członek rzeczywisty Polskiej Akademii Nauk, Warszawa.

URBANSKI, Tadeusz; SERAFINOWA, Barbara; GUSTOWSKI, Włodzimierz;
VENULET, Jan; JAKIMOWSKA, Krystyna; JANOWIEC, Mieczysław

Anti-tuberculous properties of ethyl acetoacetate isonicotinoylhydrazone (T-428). Gruslica 28 no.12:955-960 D '60.

1. Z Katedry Technologii Organicznej II Politechniki Warszawskiej
Kierownik: prof.dr T.Urbanski i z Zakładu Farmakologii Instytutu
Leków, Kierownik: doc.dr J.Venulet.
(ISONIAZID rel opds)

SKULSKI, Lech, mgr. inż.; URBANSKI, Tadeusz

On the absorption spectra of azo dyes. I. Spectra of azo dyes
deriving from 4-hydroxy- and 4-acetoxiazobenzene. Roczniki chemii 34
no. 1:141-157 '60. (HEAI 10:9)

1. Department of Organic Technology II, Institute of Technology,
Warsaw.

(Absorption spectra)	(Azo compounds)	(Azobenzene)
(Acetoxy group)	(Phenylazophenol)	

SKULSKI, Lech; URBANSKI, Tadeusz

Reactions and the absorption spectra of compounds derived from
p-nitrostyrene. I. On the preparation of 4-(β -nitrovinyl)- aniline.
Rocz chemii 34 no.1:283-287 '60. (EEAI 10:9)

1. Department of Organic Technology II, Institute of Technology,
Warsaw.

(Absorption spectra) (Nitrostyrene)
(Nitrovinylaniline)

SKULSKI, Lech; URBANSKI, Tadeusz

Reactions and absorption spectra of compounds deriving from α -nitro-styrene. Pt.2. On synthesis of azo dyes with a β -nitrovinyl group. Roczniki chemii 34 no.2:431-441 '60. (EEAI 10:1)

1. Katedra Technologii Organicznej II Politechniki, Warszawa.
(Absorption spectra) (Azo dyes)
(Nitrovinyl group) (Nitrostyrene)

SKULSKI, Lech; URBANSKI, Tadeusz

On the absorption spectra of azo dyes. II. Spectra of derivatives of
4-formyl-, 4-nitro-, and 4-(β -nitrovinyl)-azobenzene. Roczniki chemii
34 no.2:443-455 '60. (EEAI 10:1)

(Absorption spectra) (Azo dyes)
(Formylazobenzene) (Nitroazobenzene)
(Nitrovinylazobenzene)

GURNE, Daniela; URBANSKI, Tadeusz

Reactions of aliphatic nitro compounds. XLIV. Conformation analysis of the derivatives of 5-nitro-5-alkylo-3-cyclohexyletetrahydro-1,3-oxazine. Roczniki chemii 34 no.3/4:881-886 '60. (EEAI 10:3)

1. Zaklad Syntezy Organicznej Polskiej Akademii Nauk, Warszawa.
(Nitro group) (Alkyl groups)
(Cyclohexyletetrahydrooxazine)

ECKSTEIN, Zygmunt; GROCHOWSKI, Edward; URBANSKI, Tadeusz

The fungicidal activity of derivatives of 2-nitropropanediol-1,3.
Rocz chemii 34 no.3/4:931-940 '60. (EBAI 10:3)

1. Zaklad Syntezy Organicznej Polskiej Akademii Nauk, Warszawa
(Nitropropanediol) (Fungicides)

URBANSKI, Tadeusz; FALECKI, Jerzy

Experiments with hydroxamic acids. VII. Nitration of arylhydroxamic acids. II. Rocz chemii 34 no.5:1283-1296 '60.

(EEAI 10:9)

1. Department of Organic Technology, Institute of Technology, Warszawa, and Institute of Nuclear Research, Warszawa.

(Hydroxamic acids) (Aryl groups) (Nitration)

SKULSKI, Lech; URBANSKI, Tadeusz

Reactions and absorption spectra of compounds deriving from *W*-nitro-
styrene. IV. Absorption spectra of *W*-nitrostyrene and its para-
substituted derivatives. Roczniki chemii 34 no.5:1307-1328 '60.
(EEAI 10:9)

1. Department of Organic Technology II, Institute of Technology,
Warszawa.

(Absorption spectra) (Nitrostyrene)

CZERWINSKA, Elzbieta; ECKSTEIN, Zygmunt; HETNARSKI, Bogumil; KOWALIK,
Romuald; URBAŃSKI, Tadeusz

On the biological activity of some alkyl- and arylmercury haloides.
Przem chem 39 no.4:222-225 Ap '60 .

1. Zakład Syntezy Organicznej, Polska Akademia Nauk, oraz Instytut
Przemysłu Organicznego, Warszawa.

URBANSKI, Tadeusz S.

Cation exchange solvent extraction of iron. Nukleonika 6 no.4:299-308 '61.

1. Instytut Badan Jadrowych Polskiej Akademii Nauk, Warszawa,
Zaklad Technologii Chemicznej.

URBANSKI, Tadeusz S.; MINC, Stefan

Solvent extraction of cations with alkyl phosphoric acids from sulfate solutions. I. Solvent extraction of U^{VI} and Pl^{III} with dodecyl phosphoric acid in the presence of different cations. Nukleonika 6 no.12:765-773 '61.

1. Institut yadernykh issledovaniy PAN, Varshava, Laboratoriya khimicheskoy tekhnologii. Varshavsky universitet, Kafedra fizicheskoy khimii.

URBANSKI, T.

A colour reaction of primary nitroparaffins. *Bul chim PAN* 9 no.5: 319-320 '61.

1. Institute of Organic Synthesis, Polish Academy of Sciences.

(Nitrogen compounds) (Paraffins)

URBANSKI, T.

On a new colour reaction of nitromethane and some aromatic nitro-compounds. Bul chim PAN 9 no.5:321-322 '61.

1. Institute of Organic Synthesis, Polish Academy of Sciences.

(Nitrogen compounds) (Methane) (Chemical reaction)
(Aromatic compounds)

BONECKI, Z.; URBANSKI, T.

On preparation of 2,4,6,-trinitrophenylacetic acid. Bul chim PAN 9
no.7:461-462 '61.

1. Military Technical College, Warsaw. Presented by T. Urbanski.

BONECKI, Z.; URBANSKI, T.

On preparation of 2,4,6,-trinitrostyrene and some 2,4,6,-trinitro-phenylethane derivatives. Bul chim PAN 9 no.7:463-466 '61.

1. Military Technical College, Warsaw. Presented by T. Urbanski.

URBANSKI, T.; SEMENCZUK, A.; GORSKI, W.

The action of ultrasonic waves on nitration. *Bul chim PAN* 9 no.7:
467-469 '61.

1. Military Technical College, Warsaw. Presented by T. Urbanski.

SURNAME, Given Names

Country: Poland

Academic Degrees: [

Affiliation:

Source: Warsaw, Postępy Higieny i Medycyny Doswiadczałnej, Vol XV, No 4,
1961, pp 427-428.

Data: "Antineoplastic Properties of Derivatives of Oxazine."

English abstract of article originally published in Nature, 1960
187, 426.

Authors:

URBANSKI, T.

SLOPEK, Stefan, Prof. Dr., Director of the Ludwik Hirszfeld Inst
of Immunology and Experimental Therapy (Instytut Immunologii i
Terapii Doswiadczałnej im. Ludwika Hirszfelda), Polish Academy
Sciences (PAN--Polska Akademia Nauk), Wrocław.

GURNE, D.

MORDARSKA, H.

CHYLINSKA, B.

MORDARSKI, M.

8FO 981643

S/081/62/000/023/040/120
B166/B101

AUTHORS: Serafin, Barbara, Urbański, Tadeusz

TITLE: Reactions of amines with cyanguanidine. Part XI. Hetero-
cyclic derivatives of amidineurea

PERIODICAL: Referativnyy zhurnal.. Khimiya, no. 23, 1962, 294-295,
abstract 23Zh234 (Roczn. chem., v. 36, no. 4, 1962, 679-683
[Eng.; summaries in Pol. and Russ.]

TEXT: Hydrolysis of biguanides $RR'NC(=NH)NHC(=NH)NH_2$ (Ia-d; (a) $R = H$,
 $R' = \text{quinolyl-6}$; (b) $R = H$, $R' = \text{quinolyl-8}$; (c) $RR'N = \text{morpholino}$;
(d) $RR'N = \text{piperidino}$) with dilute HCl gives the corresponding
amidineureas $RR'NCONHC(=NH)NH_2$ (IIa-d). In the same way piperazine-bis-
biguanide (III) is converted into piperazine-bis-N-formylguanidine (IV).
IIa, b hydrochlorides with boiling aniline form guanidine, $CO(NHC_6H_5)_2$ and
6- or 8-aminoquinoline respectively, probably via the intermediate formation
of the corresponding 1-quinolyl-3-phenylurea. 2 g Ia hydrochloride in
Card 1/3

Reactions of amines with...

S/081/62/000/023/040/120
B166/B101

20 ml 3 N HCl are boiled for 30 min, cooled, then IIa dihydrochloride, $C_{11}H_{11}N_5O \cdot 2HCl$, is separated, yield 65%, m.p. 171-173°C (from alcohol);

IIa, m.p. 200-202°C (decomposition; from water); monopicrate, m.p. 242-244°C; dinitrate, m.p. 203-204°C are also separated. 8-aminoquinoline, cyanguanidine and 3 N HCl (0.017 moles each) are boiled for 2 hrs giving Ib hydrochloride, $C_{11}H_{12}N_6 \cdot HCl$, yield 80%, m.p. 243-245°C (from water);

Ib, m.p. 163-165°C (from water; dipicrate, m.p. 210-211°C. 0.1 mole piperidine hydrochloride and 0.1 mole cyanguanidine are heated for 3 hrs at 130-140°C, they are then ground in alcohol, ether is added and the product is Id hydrochloride, $C_7H_{15}N_5 \cdot HCl$, yield 70%, m.p. 205-207°C (from alcohol).

IIa are produced in the same way, as follows (order of data: initial substance, products, gross formula of base, yield % hydrochloride, melting point °C of the base, the hydrochloride and the picrate):

Ib hydrochloride (solution half evaporated), IIb, $C_{11}H_{11}N_5O$, 70, 158-160 (from water), -, 235-237 (decomposition); Ic hydrochloride (12% HCl, boiled 45 min, cooled to 50°C, 50 ml acetone added), IIc, $C_6H_{12}N_4O_2$, 60, 178-179, 218-220 (from 50% acetone), 212-213; Id dihydrochloride (12% HCl, boiled

Card 2/3

Reactions of amines with...

S/081/62/000/023/040/120
B166/B101

30 min and water removed by vacuum distillation), IIId, $C_7H_{14}N_4O$, 72, 176-177, 203-205, -. 15 g III hydrochloride are boiled for 45 min in 45 ml 12% HCl, this is cooled and alcohol is added separating IV dihydrochloride, $C_8H_{16}N_8O_2 \cdot 2HCl$, yield 60%, m.p. 237-239°C (from dilute alcohol), IV, m.p. 199-200°C; picrate, m.p. 223-224°C; dinitrate (from the dihydrochloride and 50% HNO_3), m.p. 200-201°C (alcohol precipitated). For part X see RZhKhim, 1960, no. 18, 73392. [Abstracter's note: Complete translation.]

Card 3/3

S/081/62/000/024/036/073
B101/B186

AUTHORS: Calus, H., Eckstein, Z., Sobótka, W., Urbański, T.

TITLE: Endoisomers and exoisomers of nitroolefins (1-cyclohexenyl nitromethane and cyclohexylidene nitromethane).
III. Measurement of dipole moments

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 24, 1962, 276, abstract 24Zh8 (Bull. Acad. polon. sci. Sér. sci. chim., v. 9, no. 11, 1961, 725-729 [Eng.; summary in Russ.])

TEXT: Dipole moments were compared to explain the composition of a mixture of cyclohexylidene nitromethane (I) and cyclohexene-1-yl nitromethane (II) forming when 1-nitromethyl-1-hydroxycyclohexane (III) is heated. Results: $(\text{CH}_2)_4\text{C}(\text{CHRNO}_2) = \text{CH}$, (where $\text{R} = \text{H}, \text{CH}_3$, and C_2H_5), $(\text{CH}_2)_n\text{C}(\text{CH}_2\text{NO}_2) = \text{CH}$ (where $n = 5, 6$), nitrocyclohexane, cyclohexyl nitromethane, and 1-nitromethyl-4-methyl-cyclohexene-1 were found to have the same dipole moments of 3.6 ($\pm 0.1\text{D}$). The dipole moment (4.3D) of the

Card 1/2

Endoisomers and exoisomers ...

S/081/62/000/024/036/073
B101/B186

mixture obtained from III indicates the predominance of substance I with a higher dipole moment due to conjugation of the C=C bond with the nitro group. Determination of the dipole moments of mixtures produced by adding different amounts of II to the reaction mixture leads to the assumption that the content of the exoisomer I in the reaction mixture is 90% being consistent with the data of the IR spectra. Communication II see RZhKhim, 1958, no. 3, 7880. [Abstracter's note: Complete translation.]

✓

Card 2/2

URBANSKI, Taduesz S.

Device from the extraction of liquids in a thermostat.
Nukleonika 7 no.1:50-51 '62.

1. Instytut Badan Jadrowych PAN, Warszawa, Zaklad Technologii
Chemicznej

URBANSKIY, T. [Urbanski, T.], prof. (Pol'sha)

Conformation of certain heterocyclic compounds. Zhur. VKHO 7
no.4:396-400 '62. (MIRA 15:8)
(Heterocyclic compounds) (Stereochemistry)

URBANSKI, Tadeush S.[Urbanski, Tadeusz S.]; MINTS, Stefan [Minc, Stefan]

Extraction of cations with alkyl phosphoric acids from sulfate solutions. Pt. 2. Nukleonika 7 no.11:703-713 '62.

1. Institut yadernykh issledovaniy PAN, Varshava, Laboratoriya khimicheskoy tekhnologii Varshavskiy Universitet Kafedra fizicheskoy khimii, Varshava.

URBANSKI, T.; PISKORZ, M.; CETNER, W.; MACIEJEWSKI, M.

Thermal analysis of tetranitromethane mixtures with benzene and nitroaromatic compounds. Bul chim PAN 10 no.6:263-266 '62.

1. Technical Military College, Warsaw. Presented by T. Urbanski.

ECKSTEIN, Z.; GLUZINSKI, P.; PLENKIEWICZ, J.; URBANSKI, T.

On the contribution of hexahydro-s-triazines in the synthesis mechanism of 5-nitrotetrahydro-1,3-oxazine derivatives. Bul chim PAN 10 no.9: 487-492 '62.

1. Department of Organic Technology II, Institute of Technology, Warsaw, and Institute of Organic Synthesis, Polish Academy of Sciences, Warsaw. Presented by Urbanski.

URBANSKI, T.

The 18th Congress and 21st Conference of the International Union
of Pure and Applied Chemistry. Wlad chem 16 no.1:50-52 Ja
'62.

URBANSKI, T.

The hundredth anniversary of Butler's theory of the structure of chemical compounds. Wlad chem 16 no.7:467-471 J1 '62.

URBANSKI, T.

"Pure and applied chemistry." Reviewed by T. Urbanski.
Wlad chem 16 no.8:533 Ag '62.

URBANSKI, T.

Prof. Wolfgang Langenbeck became honorary member of the
Polish Chemical Society. Wiad chem 16 no.12:776-777 D '62.

URBANSKI, Tadeusz, prof.dr.

"Pure and applied chemistry." Reviewed by Tadeusz Urbanski.
Problemy 18 no.6:444-445 1962.

URBANSKI, Tadeusz, prof. dr.

Distinction of an outstanding chemist. *Problemy* 12 no.7:523-529 '62.

1. Członek rzeczywisty Polskiej Akademii Nauk, Warszawa.

SERAFIN, Barbara; URBANSKI, Tadeusz

Reactions of amines with cyanguanidine. Pt.11. Roczniki chemii
36 no.4:679-683 '62.

1. Department of Organic Technology II, Institute of Technology,
Warsaw.

SKULSKI, Lech; URBANSKI, Tadeusz

Absorption spectra of azo dyes. III. Roczniki chemii 36 no.5:
801-820 '62.

1. Department of Organic Technology II, Institute of Technology,
Warsaw.

URBANSKI, Tadeusz; BELZECKI, Czeslaw; ECKSTEIN, Zygmunt

Reactions of nitroparaffins. Pt. 48. Roczniki chemii 36 no.5:
879-888 '62.

1. Department of Organic Technology II, Institute of Technology,
Warsaw.

LANGE, Jerzy; URBANSKI, Tadeusz; VEHULET, Jan

Preparation and biological activity of the derivatives of
phenylsuccinic acid. Pts.2-3. Roczn. chemii 36 no.11:1625-1638 '62.

1. Department of Organic Technology II, Institute of Technology,
Warsaw.

LANGE, Jerzy; URBANSKI, Tadeusz; VENULET, Jan

Preparation and biological activity of the derivatives of
phenylsuccinic acid. III. Roczniki chemii 36 no.11:1631-1638 '62.

1. Department of Organic Technology 11, Institute of Technology,
Warsaw.

URBANSKI, Tadeusz S.

On the possibility of deironing aluminum sulphate by
extraction with alkylphosphoric acids. Przem chem
41 no.4:199-201 Ap '62.

1. Zaklad Technologii Chemicznej Instytutu Badan
Jadrowych, Warszawa.

URBANSKI, T.

"Pure and applied chemistry." Reviewed by T.Urbanski. Przem
chem 41 no.6:344 Jo '62.

P/0046/63/008/010/0649/0656

ACCESSION NR: AP4015837

AUTHOR: Urban'ski, T. S. (Urban'ski, Tadeush S.)

TITLE: Extraction of cations from sulfate by means of alkylphosphoric acids. Part III: Extraction of U sup VI and Fe sup III in the presence of cations with electronic configuration differing from that of inert gases

SOURCE: Nukleonika, v. 8, no. 10, 1963, 649-656

TOPIC TAGS: Mn sup II, sulfuric acid solution, U sup VI extraction, Fe sup III extraction, alkylphosphoric acid, mono-(2,6, 8-trimethylnonyl) phosphoric acid, di-(2-ethylhexyl) phosphoric acid, extraction coefficient, Co sup II, nickel ion, Cu sup II, cadmium ion

ABSTRACT: The influence of cations, whose electron configuration differs from that of inert gases, on the extraction of sulfuric acid solutions of UVI and FeIII with mono-(2,6,8-trimethylnonyl) phosphoric acid (DDPA) and di-(2-ethylhexyl) phosphoric acid (D2EHPA) was investigated. Cations employed were: CoII, Ni, CuII, Cd and MnII. An earlier study by T. S. Urban'ski and S. Minc (Nukleonika 6, 765 1961 and 7, 703, 1962) had already dealt with the influence of zinc. The results are represented graphically in Figs. 1, 2, 3 and 4 of the Enclosure in the form of a diagram.

...ne ...avomir
...so also to G.
...of this work."

...toriya khimicheskoy
...Institute of Nuclear

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R00185802001

REF SOV: 009

ENCL: 04

OTHER: 007

Card 2/2

ASSOCIA
teknolog.
Research)

SUBMITTED:

SUB CODE:

S.
ext
Spr
Orig.

URBANSKI, T.; NOWAK, Z.; MORAG, E.

Formation of tetranitromethane from nitroform and nitryl chloride.
Biul chim PAN 11 no.2:77-78 '63.

1. Technical Military College, Warsaw.

PISKORZ, M.; URBANSKI, T.

Ultraviolet and infrared spectra and structure of isonitramines
(nitrosohydroxylamine derivatives). Bul chim PAN 11 no.11:
597-606 '63.

Ultraviolet and infrared spectra of some nitrosamines.
Ibid.:607-624

1. Technical Military College, Warsaw. Presented by T. Urbanski.

ECKSTEIN, Z.; GROCHOWSKI, E.; KOWALIK, R.; URBANSKI, T.

Fungicidal activity of some 2-nitropropanedi-1,3-ol derivatives.
Bul chim PAN 11 no.12:687-693 '63.

1. Institute of Organic Synthesis, Polish Academy of Sciences,
and Mycological Laboratory, Institute of Organic Chemistry, Warsaw.
Presented by T. Urbanski.

URBANSKI, Tadeusz, prof. dr

Metabolism of Thalidomide. Problemy 19 no.1:46-47 '63.

1. Członek rzeczywisty Polskiej Akademii Nauk, Warszawa.

URBAŃSKI, Tadeusz, prof. dr

Physicist or chemist. Problemy 19 no.4:264 '63.

1. Politechnika, Warszawa.

URBANSKI, Tadeusz, prof. dr

International debates of chemists in London. Problemy 19
no.10:640-643 '63.

1. Członek rzeczywisty Polskiej Akademii Nauk, Warszawa.

GUSTOWSKI, Włodzimierz; URBANSKI, Tadeusz

Furan derivatives. Pt. 1. Roczniki chemii 37 no. 4: 437-442 '63.

1. Institute of Organic Synthesis, Polish Academy of Sciences,
Warsaw.

DABROWSKA, Urszula; URBANSKI, Tadeusz

Infrared spectra of nitrophenols and internal hydrogen bond between phenolic and nitro groups. *Rocz chemii* 37 no. 7/8:805-817 '63.

1. Institute of Organic Synthesis, Polish Academy of Sciences, Warsaw.

POLAND

HEBNAJSKI, Bogumil, and ~~URBANSKI~~, Tadeusz, of the Institute of Organic Synthesis of the Polish Academy of Sciences (Zaklad Syntezy Organicznej, Polskiej Akademii Nauk, Warszawa), in Warsaw.

"New Method of Preparation of Some Lead Dialkyl Salts."

Warsaw, Roczniki Chemii, Vol 37, No 2, 1963, pp 1073-1075.

Abstract: [Authors' English summary modified] Authors describe a new and simpler method for preparing leaddialkyl salts. The method consists in acidifying an aqueous or acetone solution of lead tetraalkyldinitrosyl (ethyl or n-propyl were taken as alkyl). A diagram depicting the suggested method is devised and a mechanism of the described reactions is suggested. Four references, including one Polish, and 3 Western.

1/1

- 16 -

PHASE I BOOK EXPLOITATION

POL/6347
(6348,6349)

Urbanski, Tadeusz, Doctor, Professor, and Corresponding Member,
Polish Academy of Sciences

Chemia i technologia materiałow wybuchowych (Chemistry and
Technology of Explosives) 3 v. Warszawa, WMON, 1964. Errata
slips inserted. 5000 copies printed.

Reviewer: W. Cybulski, Professor, Doctor, and J. Hackel, Professor,
Doctor; Ed.: J. Jurecka, Master of Engineering; Tech. Ed.:
H. Malczewska.

PURPOSE: This book is intended for graduates and postgraduate
students specializing in the chemistry and technology of
explosives, for scientists, and for engineers working in the
production of explosives.

Card 1/8
2

Chemistry and Technology (Cont.)

POL/6347
(6348,6349)

COVERAGE: This book is a three-volume manual which covers the physical and chemical properties of explosives, the mechanism of synthesis reactions, and the methods for the preparation of explosives. The text is based on Soviet and non-Soviet sources and includes works by the author, some of which are unpublished. References are given separately at the end of each volume. Volume 3 includes an author index and a subject index to all three volumes.

TABLE OF CONTENTS [Abridged]:

VOLUME I.

Foreword

9

Classification of Explosives

11

Card 2/2

2

KATOKA, M.; URBANSKI, T.

Infrared absorption spectra of Quaternary salts of pyridine.
Bul chim PAN 9[i.e. 12] no.9:615-621 '64.

1. Institute of Organic Synthesis of the Polish Academy of
Sciences, Warsaw. Submitted July 3, 1963.

ECKSTEIN, Z.; GLUZINSKI, P.; URBANSKI, T.

Some remarks on the Senkus method for synthesis of 5-nitro-tetrahydro-oxazine. Bul chim PAN [1 e. 12] no.9:623-626 '64.

1. Department of Organic Technology II of Warsaw Technical University and Institute of Organic Synthesis of the Polish Academy of Sciences. Submitted July 31, 1964.

URBANSKI, Tadeusz

Twenty-second International Conference of the International Union
of Pure and Applied Chemistry. 19th International Congress of
Pure and Applied Chemistry in London. Nauka polska 12 no.1:114-119
Ja-F '64.

1. Member of the Polish Academy of Sciences, Warsaw.

URBANSKI, Tadeusz, prof. dr

Research trends in organic chemistry and application of
physicochemical methods in the plan up to 1980. Wiad chem
18 no. 6:321-339 Je '64.

1. Member of the Polish Academy of Sciences.

URBANSKI, Tadeusz, prof. dr.

Polymers; Nobel prize in chemistry. Problemy 19 [i.e. 20]
no. 11-56-57-164.

1. Członek rzeczywisty Polskiej Akademii Nauk.

URBANSKI, Tadeusz, prof. dr

Chemistry of life. Problemy 19 [1.9.80] no. 3:137 '64.

1. Member of the Polish Academy of Sciences, Chairman, Section of Chemical Sciences, Polish Academy of Sciences, Head, Institute of Organic Synthesis, Polish Academy of Sciences, and head, Department of Organic Chemical Technology II, Technical University, Warsaw.

URBANSKI, Tadeusz, prof. dr

Symposium on the chemistry of natural products. Problemy 20
no.7:440-442 '64.

1. Member of the Polish Academy of Sciences, Warsaw.

POLAND

KOLESIŃSKA, Jolina, dr. in.; UMBANSKI, Tadeusz, prof. dr.; WIELOPOLSKI,
Aleksander, doc. dr

Institute of Organic Chemistry, Polish Academy of Sciences, Warsaw
(Instytut Chemii Organicznej Polskiej Akademii Nauk, Warszawa)
(for all)

Warsaw, Chemia analityczna, No 2, May-June 1966, pages 473-79

"Thin-layer chromatography of benzenecarboxylic acids. Part 2."

URBANSKI, V. T.

BC

A-1

Thermal analysis of binary mixtures contain-
ing esters of nitric acid. V. T. URBANSKI
(Roc. Chem., 1937, 17, 585-590). Mannitol hexa-
nitrate (1) gives a 1:1 compound, transition point
55°, with α -NO₂-C₆H₄-CHO, and 1:2 compounds,
transition points 48° and 49°, respectively, with α -
and m -nitroanisole. Simple eutectic mixtures are
formed in the systems (1)- p -NO₂-C₆H₄-CO₂Me and
erythritol tetranitrate-1:2:4:5-C₆H₄(NO₂)₄.
R. T.

ASACSLA METALLURGICAL LITERATURE CLASSIFICATION

URBANSKI, W.

"Voice from the construction site of a hydroelectric plant," Gospodarka Wodna, Warszawa, Vol 15, No 1, Jan. 1954, p. 30.

SO: Eastern European Accessions List, Vol 3, No 11, Nov 1954, L.C.

URBANSKI, Wiesław

URBANSKI, Wiesław (Poznan, ul. Krasinskiego 10.)

Role of novocaine blocks in the treatment of acute necrosis of the pancreas. Polski tygod. lek. 12 no.34:1303-1307 19 Aug 57.

1. (Z III Kliniki Chirurgicznej A.M. w Poznaniu; kierownik: doc. dr Jerzy Borszewski)

(PANCREATITIS, therapy,

procaine nerve block (Pol))

(PROCAINE, therapeutic use,

pancreatitis, nerve block (Pol))

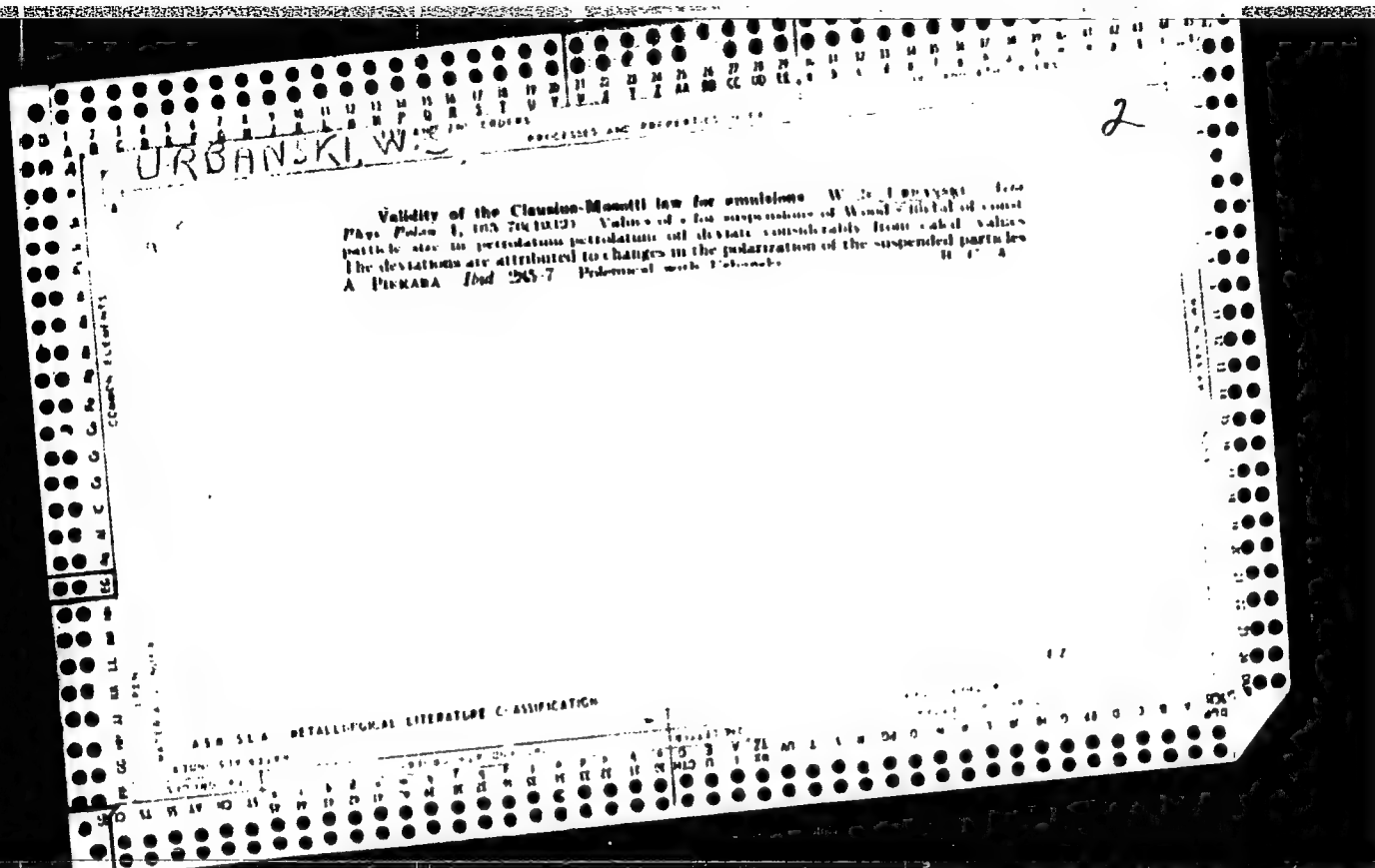
(ANESTHESIA, REGIONAL, in various diseases,

procaine block in pancreatitis (Pol))

URBANSKI, Włodzimierz, mgr inż.

From the activities of the Kielce branch of the Polish Association
of Sanitation Engineers and Technicians. Przegl techn no.52:8 30 D
'62.

1. Przewodniczący Zarządu Oddziału Polskiego Związku Inżynierów i
Techników Sanitarnych, Kielce.



2

CA URBANSKI, W.S.

PROCESSES AND PROPERTIES INDEX

(Validity of the Clausius-Mossotti law in semiconductors.
W. S. Urbanski. *Acta Phys. Polonica* 1, 411-12 (1972)
(in German).—Polynomial with Pickara (C. A. 27, 3663).
J. Wierciak

ASH-LLA METALLURGICAL LITERATURE CLASSIFICATION

GROUP 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

1ST AND 2ND ORDERS										3RD AND 4TH ORDERS									
COMMON ELEMENTS										COMMON ELEMENTS									
URBANSKI, W.S.																			
SA																			
<p>24. Influence of Motion upon the Electrical Conductivity of Hydrosols. W. S. Urbanski. <i>Acta Physica Polonica</i>, 2, 2, pp. 181-192, 1953. <i>German Abstract</i>.—Some colloids, such as $(V_2O_5)_2$ hydrosol, exhibit optical anisotropy when in motion, and a contingent electrical anisotropy has now been established. The measurements were made by a bridge method of which comprehensive details are given. Movement of the V_2O_5 sol oblique to the electrical lines of force causes an increase of electrical resistance, which grows with the velocity of the stream towards a limiting value. Experiments with electrodes widely apart indicates that a change of conductivity occurs in the body of the liquid. The phenomena are more complicated when the V_2O_5 sol has aged.</p>																			
<p>ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION</p>																			
<p>54 54</p>																			

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50									
URBANSKI, W.									
<div> <div>ca</div> <div> <p>Appearance of some emulsions. W. H. Urbanski, <i>Ind. Eng. Chem. Anal. Ed.</i> 3, 30-41 (1934). A reply to Pichara (<i>ibid.</i> 3, 225-8 (1933)). Ag emulsions show evidence of an ordered structure. B. C. A.</p> </div> </div>									
<div> <div>ADDITIONAL LITERATURE</div> <div>CLASSIFICATION</div> </div>									
<div> <div>SEARCHED</div> <div>INDEXED</div> <div>SERIALIZED</div> <div>FILED</div> </div>									

URBANSKI, Zenon, mgr inż. (Warszawa)

Industrialization of the Hungarian construction industry.
Przegl budowl i bud mieszk 35 no.11:626-628 N'63.

Colloquium of the International Association of Social
Security held in Warsaw. 629

URBANSKI, Zenon, mgr inż. (Warszawa)

The human factor in safety problems of building. Przegl budowl i bud
mieszak 36 no.3:167-169 Mr '64.

URBANSKIY, K.S.

Emergency excitation network of the auxiliary generator. Elek. 1
tepl. tiaga 6 no.11:36 N '62. (MIRA 16:1)

1. Mashinist-instruktor depo Chelkar Kazakhskoy dorogi.
(Diesel locomotives)

U.S.S.R. / Human and Animal Physiology. Liver.

T

Abs Jour: Ref Zhur-Biol., No 5, 1958, 22294.

Author : Urbanuk, K. G.

Inst : Not given.

Title : Experimental Production of Cirrohsis of the
Liver and Spleen in Dogs.

Orig Pub: Vrachebn, Delo. 1957, No 7, 763-764.

Abstract: Fifty-six injections of CCl_4 in a dog, (0.05 mg/
/kg daily) produced dystrophic changes in the
liver and fibrosis of the spleen. Following
destruction of innervation and injections of
 CCl_4 in another dog, development of connective
tissue was noted not only in the spleen but also
in the liver. Severe functional impairment of
of the central nervous system creates favorable
conditions for the development of cirrhotic chan-
ges in the liver through action of toxic agents.

Card 1/1

RC

Composition of lucerne hay and the quantity in lucerne meal. L. Uusjärvi (Helsing. Kust., 1935, 8, 1-6; Chem. Zentr., 1935, 1, 2746).—The composition and vitamin-D content of lucerne hay varies considerably with the method of storage. The high fiber and low P content render the hay for meal unsuitable as a substitute for bran.

A. G. P.

Composition of hays from Somogy county, László Urbányi. Mezőgazdasági Kutatóintézet 8, 3:207 (1937). Natural meadow hays, caked, to 85% dry matter content, contained crude protein 87%, CaO 9.98, MgO 4.17 and P_2O_5 4.61%. Alfalfa hay, caked, to 84% dry matter, contained crude protein 19.05, CaO 24.14, MgO 4.84 and P_2O_5 5.92%. Red clover hay, caked, to 84% dry matter, contained crude protein 18.38, CaO 19.25, MgO 5.21 and P_2O_5 4.96%. The detailed analyses show that the compo. of various meadow hays is much influenced both by the botanical types of component plants and the different factors of vegetation. S. S. de Finilly

LIST AND THE CODES																									
PROCESSING AND PROPERTY CODES													FOR AND OTHER CODES												
<p>Influence of storage in silos on the mineral content of fodders. László Urbányi. <i>Ménészgazdálkodás</i> 8. 274-8(1938).—Cornstalks contg. 61.98% dry matter (CaO 0.753, MgO 0.818 and P₂O₅ 0.240%) after storage in a warm-fermentation silo contained 57.76% dry matter (CaO 1.028, MgO 0.834 and P₂O₅ 0.287%). Alfalfa contg. originally 28.35% dry matter (CaO 3.831, MgO 0.850 and P₂O₅ 0.578%) changed under ensilage in a CO₂ atm. to 25.88% dry matter (CaO 4.313, MgO 1.080 and P₂O₅ 0.639%). S. S. de Finály</p>																									
<p>ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION</p>																									

URBANYI, L.

J. MAREK, *Mezog Kutat*, 1937, 10, 149-158

17
 New methods in agricultural chemical analysis V
 Determination of silica in natural and potable waters
 (László Urbán, *Magyar Kémiai Közlemények* 10, 229-35
 (1937).—Prep. a standard soln. by dissolving 2.2988 g.
 Na silicate and 1.5 g. NaOH to 1000 cc. Place 50 cc. of
 filtered water in a 100-cc. measuring flask. Place in a
 2nd flask enough of the standard silica soln. to contain
 0.2-1.4 mg. SiO_2 in 50 cc. into and fill up to 50 cc. Add 2
 cc. of a 25% NH_4 tungstate soln. to each flask, mix, and
 add 5 cc. N HCl , 1 cc. hydroquinone soln. (prepd. by
 dissolving 2.5 hydroquinone in 100 cc. of sulfuric acid
 soln. contg. 10 cc. concd. acid in 1 l.) and 2 cc. of a sulfite
 soln. (prepd. by dissolving 40 g. anhyd. Na_2SO_3 and 40 g.
 anhyd. NaHSO_3 in 400 cc. water), shake thoroughly after
 each addn., fill up and compare the colors after 18 hrs.
 If the solns. are put into a water bath at 80° for 5 min.,
 then cooled and filled up, comparison can be made im-
 mediately. The method is suitable for waters contg. very
 little or no P_2O_5 . The SiO_2 content of 1 l. water is calcd
 by multiplying the layer thickness of standard soln. by 20
 and dividing by the layer thickness of the soln. examd.
 S. S. de Finálv

ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION

LET AND 2ND LETTERS																										PROCESSES AND PROPERTIES INDEX																									
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50																										1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50																									
<div style="display: flex; justify-content: space-between;"> <div style="width: 10%;"> <p>COMMON ELEMENTS</p> <p>COMMON ALLOYS</p> <p>COMMON COMPOUNDS</p> <p>COMMON METALS</p> <p>COMMON NON-METALS</p> <p>COMMON POLYMERS</p> <p>COMMON CERAMICS</p> <p>COMMON COMPOSITES</p> <p>COMMON FIBERS</p> <p>COMMON COATINGS</p> <p>COMMON SURFACES</p> <p>COMMON DEVICES</p> <p>COMMON SYSTEMS</p> <p>COMMON MATERIALS</p> <p>COMMON STRUCTURES</p> <p>COMMON PROPERTIES</p> <p>COMMON BEHAVIORS</p> <p>COMMON FAILURES</p> <p>COMMON DEFECTS</p> <p>COMMON IMPURITIES</p> <p>COMMON CONTAMINANTS</p> <p>COMMON RESIDUES</p> <p>COMMON BY-PRODUCTS</p> <p>COMMON WASTE</p> <p>COMMON HAZARDOUS</p> <p>COMMON TOXIC</p> <p>COMMON CORROSIVE</p> <p>COMMON FLAMMABLE</p> <p>COMMON EXPLOSIVE</p> <p>COMMON RADIOACTIVE</p> <p>COMMON BIOLOGICAL</p> <p>COMMON CHEMICAL</p> <p>COMMON PHYSICAL</p> <p>COMMON MECHANICAL</p> <p>COMMON ELECTRICAL</p> <p>COMMON MAGNETIC</p> <p>COMMON OPTICAL</p> <p>COMMON THERMAL</p> <p>COMMON ACOUSTIC</p> <p>COMMON MECHANICAL</p> <p>COMMON ELECTRICAL</p> <p>COMMON MAGNETIC</p> <p>COMMON OPTICAL</p> <p>COMMON THERMAL</p> <p>COMMON ACOUSTIC</p> </div> <div style="width: 80%; text-align: center;"> <p>OK</p> <p>Chemical structure of bones. László Ujházy. <i>Alkalmazott Lapok</i> 60, 204-7 (1937). Bone structure of a mixt. of $\text{Ca}_3(\text{PO}_4)_2$ and CaCO_3. The ratio of the single components is nearly const.; there are small variations depending on age and the acid-base balance, or on the nutritional conditions that affect this balance.</p> <p>S. S. de Finálv</p> </div> <div style="width: 10%;"> <p>COMMON ELEMENTS</p> <p>COMMON ALLOYS</p> <p>COMMON COMPOUNDS</p> <p>COMMON METALS</p> <p>COMMON NON-METALS</p> <p>COMMON POLYMERS</p> <p>COMMON CERAMICS</p> <p>COMMON COMPOSITES</p> <p>COMMON FIBERS</p> <p>COMMON COATINGS</p> <p>COMMON SURFACES</p> <p>COMMON DEVICES</p> <p>COMMON SYSTEMS</p> <p>COMMON MATERIALS</p> <p>COMMON STRUCTURES</p> <p>COMMON PROPERTIES</p> <p>COMMON BEHAVIORS</p> <p>COMMON FAILURES</p> <p>COMMON DEFECTS</p> <p>COMMON IMPURITIES</p> <p>COMMON CONTAMINANTS</p> <p>COMMON RESIDUES</p> <p>COMMON BY-PRODUCTS</p> <p>COMMON WASTE</p> <p>COMMON HAZARDOUS</p> <p>COMMON TOXIC</p> <p>COMMON CORROSIVE</p> <p>COMMON FLAMMABLE</p> <p>COMMON EXPLOSIVE</p> <p>COMMON RADIOACTIVE</p> <p>COMMON BIOLOGICAL</p> <p>COMMON CHEMICAL</p> <p>COMMON PHYSICAL</p> <p>COMMON MECHANICAL</p> <p>COMMON ELECTRICAL</p> <p>COMMON MAGNETIC</p> <p>COMMON OPTICAL</p> <p>COMMON THERMAL</p> <p>COMMON ACOUSTIC</p> <p>COMMON MECHANICAL</p> <p>COMMON ELECTRICAL</p> <p>COMMON MAGNETIC</p> <p>COMMON OPTICAL</p> <p>COMMON THERMAL</p> <p>COMMON ACOUSTIC</p> </div> </div>																																																			
<p>ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION</p> <p>GROUPS: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50</p>																																																			

URBANYI, LASZLO

JOZSEF MAREK, Allatorvosi Lapok 61 (1938), 1-4

